_	FME Batch 3 9-Jun-22							
	Action Number	Action Name	County	Batch Page Number	TC Rec	Tech Committee Rec	RFPG Rec	RFPG Rec
				0	(Y/N)	Date	(Y/N)	Date
atch 3A	101000009	Pecan Shores Subdivision	Bastrop	1	Yes	5/25/2022		
	101000010	Hidden Shores Subdivision	Bastrop	2	Yes	5/25/2022		
	101000011	Waters Edge Terrace Subdivision	Bastrop	3	Yes	5/25/2022		
	101000026	Smithville Recreation Center Expansion	Bastrop	4	Yes	5/25/2022		
	101000155	Taylor Lane Drainage Improvements	Bastrop	5	Yes	5/25/2022		
	101000156	Stormwater Detention at Morris Park	Bastrop	6	Yes	5/25/2022		
	101000105	Update and Maintain Emergency Management Plan	Blanco	7	Yes	5/25/2022		
-	101000138	Dam Emergency Action Plan	Burnet	8	Yes	5/25/2022		
	101000165	Whitman Branch Regional Detention Pond	Burnet	9	Yes	5/25/2022		
	101000166	Ave J Bridge Replacement	Burnet	10	Yes	5/25/2022		
	101000167	Broadway Street at Whitman Branch Low Water Crossing	Burnet	11	Yes	5/25/2022		
	101000168	1431/281 Detention	Burnet	12	Yes	5/25/2022		
	101000169	Backbone Branch Detention Pond	Burnet	13	Yes	5/25/2022		
	101000170	Marble Falls Creek Walk	Burnet	14	Yes	5/25/2022		
	101000172	2nd Street at Backbone Creek Low Water Crossing	Burnet	15	Yes	5/25/2022		
	101000173	Ave L at Whitman Creek Low Water Crossing	Burnet	16	Yes	5/25/2022		
8	101000174	Broadway at Backbone Creek Low Water Crossing	Burnet	17	Yes	5/25/2022		
E 4	101000119	Frisch Auf Buyout	Fayette	18	Yes	5/25/2022		
Bato	101000120	Flood Proof Wastewater Treatment Plants	Fayette	19	Yes	5/25/2022		
	101000178	Low Water Crossing's at 4 Locations	Gillespie	20	Yes	5/25/2022		
	101000061	Prepare Evacuation Plan	Hays	21	Yes	5/25/2022		
	101000126	Flood Proofing Repetitive Loss Structure	Hays	22	Yes	5/25/2022		
	101000153	City of Buda Garlic Creek Culvert	Hays	23	Yes	5/25/2022		
	101000064	Land Purchase for New EMS/Fire/Police Building	Jackson	24	Yes	5/25/2022		
	101000127	Wastewater Treatment Plant Floodproofing	Jackson	25	Yes	5/25/2022		
	101000128	City Hall Hardening and Safe Room	Jackson	26	Yes	5/25/2022		
	101000065	Jackson County Hospital District	Jackson	27	Yes	5/25/2022		
	101000068	Lake Junction Dredging	Kimble	28	Yes	5/25/2022		
Ω.	101000072	Prepare Evacuation Plan	Llano	29	Yes	5/25/2022		
ų.	101000130	Relocate Fire Department Building	Llano	30	Yes	5/25/2022		
3ate	101000175	102 Beach Drive Low Water Crossing	Llano	31	Yes	5/25/2022		
<u> </u>	101000176	124 Sunrise Drive Low Water Crossing	Llano	32	Yes	5/25/2022		
	101000074	Construct Emergency Operation Center	Matagorda	33	Yes	5/25/2022		
	101000131	Police Station Relocation and Safe Room	Matagorda	34	Yes	5/25/2022		
	101000181	Harris Hallow Neighborhood Flooding	Menard	35	Yes	5/25/2022		
	101000080	Community Evacuation Plan	Travis	36	Yes	5/25/2022		
	101000083	Community Evacuation Plan	Travis	37	Yes	5/25/2022		
	101000085	Create Emergency Evacuation Plan	Travis	38	Yes	5/25/2022		
	10100088	Review and Update Floodplain Management Plan	Travis	39	Yes	5/25/2022		
0	101000089	Develop an Emergency Operations and Evacuation Plan	Travis	40	Yes	5/25/2022		
÷,	101000164	East Reed Park Road Flooding	Travis	41	Yes	5/25/2022		
Bat	101000091	Harden City Buildings, Critical Infrastructure	Victoria	42	Yes	5/25/2022		
	101000095	Identify and Buyout Repetitive Loss Properties	Victoria	43	Yes	5/25/2022		
	101000098	Tres Palacios, Blue Creek, East Mustang Creek	Victoria	44	Yes	5/25/2022		
	101000096	Harden County Buildings, Critical Infrastructure, and Government	Victoria	45	Yes	5/25/2022		
	101000099	Use Digital Maps of All Hazards and Educate Residents	Wharton	46	Yes	5/25/2022		

Flood Managem	n <mark>ent Evaluati</mark> c	on (FME) <sub>STUDY</sub>	Lower Colorado-Lavaca
Title Backbone Branch Detention Pc	ond	ID# 101000169	PLANNING GROUP
Sponsor (name of entity) Marble Falls	(Municipality)	Commitment 🗙 Yes 📃 No	
Technical committee recommend $X$ )	Yes No RFPG rec	ommend Yes No	REGION 10
Study Type Emergency preparedness Other	Floodplain modeling, mapping a	and risk assessment 🛛 🗙 Fr	easibility study Preliminary project engineering
Problem Area		N	
City Marble Falls	County Burnet	N	
Watershed Backbone Creek name(s)			ghorm rm SP
Tributary(ies) Unnamed Tributary			
HUC# 12090201,12090205 Strea	m miles (est.) TBD		1855
Drainage area: square miles, est 30.04	4 or acreage, est. 19,228		
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerable; 1.0	0 indicates most vulnerable.)	Highland Haven	
Other Regional Detention		Granite Shoa	

The area of concern along Backbone Creek has insufficient channel capacity and undersized bridge/culvert crossings. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk 150

Structures at risk 172

Farm/Ranch land impacted (acres) 1,646

Critical facilities at risk 0 4.11

# Scope of Study

Conduct a study to evaluate the area. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Roadway(s) impacted (miles)

#### Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

## **Estimated Study Cost**

Cost \$150,000

Flood Manage	ement Evalu	ation (FME) STUD	Y Lower Colorado-Lavaca
Title Marble Falls Creek Walk		ID# 101000170	PLANNING GROUP
Sponsor (name of entity) Marble F	Falls (Municipality)	Commitment X Yes N	
Technical committee recommend	X Yes No R	FPG recommend Yes No	REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, ma	apping and risk assessment	Feasibility study X Preliminary project engineering
Other			
Problem Area		N	
City Marble Falls	County Burnet		
Watershed Hamilton Creek - Lake name(s)	• Travis		281
Tributary(ies) Whitman Branch		and the second	
HUC# 12090205 St	stream miles (est.) TBD	The Alter	ATT ANY
Drainage area: square miles, est 5	5.80 or acreage, est.	3,713	1431
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerable	le; 1.0 indicates most vulnerable.	.)	Marbla Falla
Other Roadway/Crossing Improve	ements & Channel Improvem	nents	

The existing pedestrian access ways/trails overtop. The proposed improvements include upgrading the low water crossing, and channel modifications. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk 820

Structures at risk 80

Farm/Ranch land impacted (acres) 166

Critical facilities at risk 0 2.04

## Scope of Study

Conduct a study to evaluate the area. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Roadway(s) impacted (miles)

#### Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

# **Estimated Study Cost**

Cost \$100,000

Flood Manag	gement Evalu	ation (FME) STU	PY Lower Colorado-Lavaca REGIONAL FLOOD
Title 2nd Street at Backbone	Creek Low Water Crossing	ID# 101000172	PLANNING GROUP
Sponsor (name of entity) Mark	ole Falls (Municipality)	Commitment X Yes	
Technical committee recomme	end 🗙 Yes 📃 No 🛛 Rf	FPG recommend Yes No	REGION 10
Study Type Emergency preparedness Other	Floodplain modeling, ma	apping and risk assessment	Feasibility study X Preliminary project engineering
Problem Area			
City Marble Falls	County Burnet		
Watershed Backbone Creek name(s)		1431	
Tributary(ies) Whitman Branch	h		Not A Star A Star
HUC# 12090205	Stream miles (est.) TBD	Contract of the	M C C C C C C C C C C C C C C C C C C C
Drainage area: square miles, es	st 2.28 or acreage, est.	1,458	4337
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulner	rable; 1.0 indicates most vulnerable.,	.)	Marble Falls
Other Roadway/Crossing Impr	rovements & Channel Improvements	nents	1431

The existing crossing is undersized and overtops. The crossing floods during smaller rainfall events and is an emergency vehicle response route. The existing crossing consists of four (4) reinforced concrete pipes. The proposed improvements include upsizing the crossing. The existing road is a 2-lane road with an average daily traffic count of 3,263. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Dead

Roadway(s) impacted (miles) 0.25

## Scope of Study

Conduct a study to evaluate upsizing the existing culvert crossing. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

#### Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

# **Estimated Study Cost**

Cost \$100,000

Flood Manage	ement Evalua	tion (FME) STUDY	Lower Colorado-Lavaca REGIONAL FLOOD
Title Ave L at Whitman Creek Lo	w Water Crossing	ID# 101000173	PLANNING GROUP
Sponsor (name of entity) Marble I	Falls (Municipality)	Commitment X Yes No	
Technical committee recommend	X Yes No RFPC	G recommend Yes No	REGION 10
Study Type Emergency preparedness Other	Floodplain modeling, mapp	ping and risk assessment Fi	easibility study X Preliminary project engineering
Problem Area		N	
City Marble Falls	County Burnet		
Watershed Backbone Creek name(s)		1431	
Tributary(ies) Whitman Branch			
HUC# 12090205 S	tream miles (est.) TBD	FM	
Drainage area: square miles, est 2	2.33 or acreage, est. 1,4	90	
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerabl	le; 1.0 indicates most vulnerable.)		Marble Falls
Other Roadway/Crossing Improve	ements & Channel Improvement	ts	1431

The existing bridge overtops. The proposed improvements include improvements/replacement of the existing bridge. The existing bridge is a 2-lane road with an average daily traffic count of 668. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

•

Roadway(s) impacted (miles) 0.20

## Scope of Study

Conduct a study to evaluate upsizing the existing low water crossing. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

#### Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

# **Estimated Study Cost**

Cost \$100,000

Flood Managem	hent Evaluat	ion (FME) <sub>STUDY</sub>	Lower Colorado-Lavaca REGIONAL FLOOD
Title Broadway at Backbone Creek Le	ow Water Crossing	ID# 101000174	PLANNING GROUP
Sponsor (name of entity) Marble Falls	(Municipality)	Commitment 🗙 Yes 📃 No	I LAMMING ONOOI
Technical committee recommend $X$ Y	res No RFPG	recommend Yes No	REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mappir	ng and risk assessment	Feasibility study X Preliminary project engineering
Other			
Problem Area		N	
City Marble Falls	County Burnet		
Watershed Backbone Creek name(s)			vern SP
Tributary(ies) Unnamed Tributary			
HUC# 12090201,12090205 Stream	m miles (est.) TBD		
Drainage area: square miles, est 31.97	or acreage, est. 20,46	50 00 Highland	
Social vulnerability index 0.19 (SVI score 0.0 indicates least vulnerable; 1.0 Other Roadway/Crossing Improvement	0 indicates most vulnerable.) nts & Channel Improvements	Highland Haven Granite Sho	bals
	its & enumer improvements	South Real of	Marble Falls

The existing culvert crossing is undersized and overtops. The proposed improvements include enlarging the existing culverts. The existing road is a 2-lane road with an average daily traffic count of 2,220. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

Population at risk 0

Scope of Study

Structures at risk 0

Roadway(s) impacted (miles) 0.22

Critical facilities at risk 0

#### Farm/Ranch land impacted (acres) 0

Conduct a study to evaluate upsizing the existing culvert crossing. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

## **Related Goal(s)**

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

# **Estimated Study Cost**

Cost \$100,000

Flood Managem	Lower Colorado-Lavaca REGIONAL FLOOD		
Title Frisch Auf Buyout		ID# 101000119	PLANNING GROUP
Sponsor (name of entity) Fayette (Coun	ity)	Commitment 🗙 Yes 📃 No	
Technical committee recommend $X$ Ye	es No RFPG	recommend Yes No	REGION 10
Study Type Emergency preparedness F Other	Floodplain modeling, mappi	ng and risk assessment $X$ F	easibility study Preliminary project engineering
Problem Area			
City N/A Co	ounty Fayette		
Watershed Lower Buckners Creek name(s)			54 Fayetre
Tributary(ies) Unnamed Tributary		A STATE AND	
HUC# 12090301,12100102 Stream	n miles (est.) TBD		
Drainage area: square miles, est 54.14	or acreage, est. 34,64	49	
Social vulnerability index 0.11 (SVI score 0.0 indicates least vulnerable; 1.0	indicates most vulnerable.)		Oquinn
Other Voluntary buyout		Muldoon	

There are multiple flood prone properties that are within the 100-year floodplain may be subject to repetitive loss.

Population at risk 92

Structures at risk 91

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 5,823

Roadway(s) impacted (miles) 4.00

#### Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify eligible property owners and if the properties should be elevated or removed.

#### Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation.

## **Estimated Study Cost**

Flood Managem	nent Evaluati	on (FME) STUDY	Lower Colorado-Lavaca REGIONAL FLOOD
Title Flood Proof Wastewater Treatr	nent Plants	ID# 101000120	PLANNING GROUP
Sponsor (name of entity) Flatonia (Mu	inicipality)	Commitment X Yes No	
Technical committee recommend $X$ )	res No RFPG re	ecommend Yes No	REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mapping	g and risk assessment $X$ F	easibility study Preliminary project engineering
Other			
Problem Area		N	
City Flatonia C	County Fayette		
Watershed Mulberry Creek - West Na name(s)	vidad River		
Tributary(ies) Unnamed Tributary			Elatonia Golf
HUC# 12100202,12100102 Strea	m miles (est.) TBD		Course
Drainage area: square miles, est 1.67	or acreage, est. 1,071		General and a second se
Social vulnerability index 0.11 (SVI score 0.0 indicates least vulnerable; 1.0	0 indicates most vulnerable.)		EUS High
Other Local Plans & Regulations			Source State

The wastewater treatment plant experiences flooding during low frequency rain events. The Sponsor has identified the need to floodproof the existing wastewater treatment plant. Study results will provide a more detailed assessment of existing flood and potential flood risk. Study will determine if flood proofing will provide mitigation required or if structural mitigation will be required.

Population at risk 1,500

Structures at risk 700

0 Critical facilities at risk 0

Farm/Ranch land impacted (acres) 150

1 uctures at fisk 700

Roadway(s) impacted (miles) 2.77

## Scope of Study

If structural flood mitigation, other than flood proofing, is required then the study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

#### Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

## **Estimated Study Cost**

Flood Manage	ment Evaluati	on (FME) STUDY	Lower Colorado-Lavaca REGIONAL FLOOD
Title Low Water Crossing's at 4 lo	ocations	ID# 101000178	PLANNING GROUP
Sponsor (name of entity) Gillespie	(County)	Commitment X Yes No	
Technical committee recommend	X Yes No RFPG r	ecommend Yes No	REGION 10
Study Type Emergency preparedness Other	Floodplain modeling, mappin	g and risk assessment 📃 F	easibility study X Preliminary project engineering
Problem Area		N	0
City N/A	County Gillespie		
Watershed Multiple Watersheds name(s)			
Tributary(ies) Unnamed Tributary			A CALLER MANUEL
HUC# 12090201,12090204 St	ream miles (est.) TBD	合 和 2 3 4	Fredericksburg Lyndon B.
Drainage area: square miles, est 1,	057.22 or acreage, est. 676,6	21	Johnson National
Social vulnerability index 0.1 (SVI score 0.0 indicates least vulnerable)	; 1.0 indicates most vulnerable.)	A second	Historical Park
Other Roadway/Crossing Improver	ments & Channel Improvements	No.	A CONTRACTOR OF

The existing 4 crossings are undersized and overtop. The proposed improvements include replacing the low water crossing with bridges. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk 0

Structures at risk 0

•

Farm/Ranch land impacted (acres) 0

Critical facilities at risk 0 red (miles) 0.61

## Scope of Study

Conduct a study to evaluate the area. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Roadway(s) impacted (miles)

#### Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

# **Estimated Study Cost**

Cost \$200,000

Flood Manager	nent Evaluat	tion (FME) STUDY	Lower Colorado-Lavaca <b>REGIONAL FLOOD</b>
Title Prepare Evacuation Plan		ID# 101000061	PLANNING GROUP
Sponsor (name of entity) Mountain (	City (Municipality)	Commitment X Yes No	I LAMMING ONCOI
Technical committee recommend $X$	Yes No RFPG	recommend Yes No	REGION 10
Study Type			
X Emergency preparedness Other	Floodplain modeling, mappi	ing and risk assessment F	easibility study Preliminary project engineering
Problem Area		N	
City Mountain City	County Hays		
Watershed Mustang Branch - Onion name(s)	Creek		
Tributary(ies) Unnamed Tributary			Solar
HUC# 12090205,12100203 Stre	am miles (est.) TBD	200 A.S. 199	Mountain City
Drainage area: square miles, est 0.42	2 or acreage, est. 268		Bos .
Social vulnerability index 0.17 (SVI score 0.0 indicates least vulnerable; 2	1.0 indicates most vulnerable.)	A CONTRACT	
Other Local Plans & Regulations			Live Oak Dr

The Sponsor's evacuation plan(s) are out of date and need to be updated to assist with emergency coordination during a flood event.

Population at risk 0

Structures at risk 0

Critical facilities at risk 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles) TBD

## Scope of Study

Coordinate with agencies and local governments as necessary to develop/update the evacuation plan.

# **Related Goal(s)**

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

### **Estimated Study Cost**

Cost \$25,000

Flood Manage	ement Evalua	tion (FME) STUDY	Lower Colorado-Lavaca <b>REGIONAL FLOOD</b>
Title Flood Proofing Repetitive L	oss Structures	ID# 101000126	PLANNING GROUP
Sponsor (name of entity) Mountai	in City (Municipality)	Commitment X Yes No	
Technical committee recommend	X Yes No RFPC	Grecommend Yes No	REGION 10
Study Type			
X Emergency preparedness Other	Floodplain modeling, mapp	bing and risk assessment	Feasibility study Preliminary project engineering
Problem Area		N	
City Mountain City	County Hays		
Watershed Mustang Branch - Oni name(s)	on Creek		
Tributary(ies) Unnamed Tributary			Sola -
HUC# 12090205,12100203 S	tream miles (est.) TBD	The search and	Mountain City
Drainage area: square miles, est	0.42 or acreage, est. 268		Here and a second s
Social vulnerability index 0.17 (SVI score 0.0 indicates least vulnerabl	e; 1.0 indicates most vulnerable.)		
Other Local Plans & Regulations		A A	Live Oak Dr

The project area is adjacent to the 100-year floodplain and contains multiple repetitive loss structures. The Sponsor has identified the need to flood proof repetitive loss structures (unspecified number and type) to prevent additional/future flood loss.

Population at risk 150

Structures at risk 50

Critical facilities at risk 1

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles) 0.00

## Scope of Study

Study will develop project costs and repetitive loss structures. The study will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

#### Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation.

#### **Estimated Study Cost**

Cost \$50,000

Flood Manag	ement Evaluat	Lower Colorado-Lavaca REGIONAL FLOOD	
Title City of Buda Garlic Creek	Culvert	ID# 101000153	PLANNING GROUP
Sponsor (name of entity) Buda (	(Municipality)	Commitment X Yes No	
Technical committee recommen	id 🗙 Yes 📃 No 🛛 RFPG	recommend Yes No	REGION 10
Study Type			
Emergency preparedness	Floodplain modeling, mappi	ng and risk assessment Fe	easibility study X Preliminary project engineering
Other			
Problem Area		N	
City Buda	County Hays		
Watershed Mustang Branch - O name(s)	nion Creek		
Tributary(ies) Garlic Creek			FM 967
HUC# 12090205	Stream miles (est.) TBD		A REVUE 967
Drainage area: square miles, est	4.42 or acreage, est. 2,83	1	ST CONTRACTOR
Social vulnerability index 0.17 (SVI score 0.0 indicates least vulnero	able; 1.0 indicates most vulnerable.)	And and and	
Other Roadway/Crossing Impro	vements & Channel Improvements		

The existing culvert on RM967 near Garlic Creek is undersized and the roadway overtops. The existing box culvert was not upgraded when the road was reconstructed. The study will evaluate the crossing for possible upsizing of the culvert. The existing road is a 2-lane road with an average daily traffic count of 17,400. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

Population at risk 450

Structures at risk 150

Critical facilities at risk 0 0.38

Farm/Ranch land impacted (acres) 0

## Scope of Study

Conduct a study to evaluate upsizing the existing culvert crossings. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

Roadway(s) impacted (miles)

## Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

## **Estimated Study Cost**

Cost \$100,000

Flood Manage	ement Evaluat	Lower Colorado-Lavaca		
Title Land Purchase for New EM	IS/Fire/Police Building	ID# 101000064	PLANNING GROUP	
Sponsor (name of entity) Ganado (Municipality)		Commitment 🗙 Yes 📃 No		
Technical committee recommend X Yes No RFPG re		ecommend Yes No	REGION 10	
Study Type				
Emergency preparedness	Floodplain modeling, mappin	ig and risk assessment 🛛 🗙 Fe	asibility study Preliminary project engineering	
Other				
Problem Area		N		
City Ganado	County Jackson			
Watershed Devers Creek - Mustar name(s)	ıg Creek	The Party	US-59 N	
Tributary(ies) Devers Creek		16 4 6 VA	Ganado	
HUC# 12100102 St	tream miles (est.) TBD	4		
Drainage area: square miles, est 1	12 or acreage, est. 717	115-69 -22	30	
Social vulnerability index 0.51 (SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)				
Other Local Plans & Regulations			The Mary	

The current facility is located within the 100-year floodplain. The study will investigate possible sites and cost for relocation and may include the need to extend floodplain models upstream to verify the new location is outside the floodplain.

Population at risk 0

Structures at risk 0

Critical facilities at risk 1

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (miles) 0.42

## Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify the most appropriate location for this development.

#### Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation.

#### **Estimated Study Cost**